

#12  
hunde  
1645  
5/14/0

RAW SEQUENCE LISTING                      DATE: 05/01/2001  
PATENT APPLICATION: US/09/446,677A        TIME: 18:04:15

Input Set : A:\Birkell.txt  
Output Set: N:\CRF3\05012001\I446677A.raw

Does Not Comply  
Corrected Diskette Needed

## SEQUENCE LISTING

3 (1) GENERAL INFORMATION:  
5     (i) APPLICANT: BIRKELUND, Svend  
6                      CHRISTIANSEN, Gunna  
7                      HEBSGAARD PEDERSEN, Anna-Sofie  
8                      MYGIND, Per  
9                      KNUDSEN, Katrine  
11    (ii) TITLE OF INVENTION: SURFACE EXPOSED PROTEINS FROM CHLAMYDIA  
12                                      PNEUMONIAE  
14    (iii) NUMBER OF SEQUENCES: 30  
16    (iv) CORRESPONDENCE ADDRESS:  
17          (A) ADDRESSEE: BROWDY AND NEIMARK, P.L.L.C.  
18          (B) STREET: 624 Ninth Street, N.W., Suite 300  
19          (C) CITY: Washington  
20          (D) STATE: D.C.  
21          (E) COUNTRY: USA  
22          (F) ZIP: 20001  
24    (v) COMPUTER READABLE FORM:  
25          (A) MEDIUM TYPE: Floppy disk  
26          (B) COMPUTER: IBM PC compatible  
27          (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
28          (D) SOFTWARE: PatentIn Release #1.0, Version #1.30  
30    (vi) CURRENT APPLICATION DATA:  
C--> 31          (A) APPLICATION NUMBER: US/09/446,677A  
C--> 32          (B) FILING DATE: 24-Mar-2000  
C--> 38    (vii) PRIOR APPLICATION DATA:  
35          (A) APPLICATION NUMBER: PCT/DK98/00266  
36          (B) FILING DATE: 19-JUN-1998  
39          (A) APPLICATION NUMBER: DK 0744/97  
40          (B) FILING DATE: 23-JUN-1997  
42    (viii) ATTORNEY/AGENT INFORMATION:  
43          (A) NAME: COOPER, Iver P.  
44          (B) REGISTRATION NUMBER: 28,005  
45          (C) REFERENCE/DOCKET NUMBER: BIRKELUND=1  
47    (ix) TELECOMMUNICATION INFORMATION:  
48          (A) TELEPHONE: 202-628-5197  
49          (B) TELEFAX: 202-737-3528

## ERRORED SEQUENCES

754 (2) INFORMATION FOR SEQ ID NO: 5:  
756     (i) SEQUENCE CHARACTERISTICS:  
757            (A) LENGTH: 3052 base pairs  
758            (B) TYPE: nucleic acid  
759            (C) STRANDEDNESS: single  
760            (D) TOPOLOGY: linear

Number of bases differ:  
- 3052 listed  
- 3051 shown  
- see p. 3

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762 (ii) MOLECULE TYPE: Genomic DNA

764 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

766	ATGCGATTTT	CGCTCTGCGG	ATTTCCCTCTA	GTTTTTCTT	TAACATTGCT	CTCAGTCTTC	60
767	GACACTTCTT	TGAGTGCTAC	TACGATTCTT	TTAACCCAG	AAGATAGTTT	TCATGGAGAT	120
768	AGTCAGAATG	CAGAACGTTT	TTATAATGTT	CAAGCTGGGG	ATGTCTATAG	CCTTACTGGT	180
769	GATGTCTCAA	TATCTAACGT	CGATAACTCT	GCATTAAATA	AAGCCTGCTT	CAATGTGACC	240
770	TCAGGAAGTG	TGACGTTTCG	AGGAAATCAT	CATGGGTTAT	ATTTTAATAA	TATTTCTCTA	300
771	GGAACTACAA	AGGAAGGGGC	TGTACTTTGT	TGCCAAGATC	CTCAAGCAAC	GGCAGGTTTT	360
772	TCTGGGCTCT	CCACGCTCTC	TTTTATTTCAG	AGCCCCGGAG	ATATTAAAGA	ACAGGGATGT	420
773	CTCTATTCAA	AAAATGCACT	TATGCTCTTA	AACAATTATG	TAGTGCCTTT	TGAACAAAAC	480
774	CAAAGTAAGA	CTAAAGGCGG	AGCTATTAGT	GGGGCGAATG	TTACTATAGT	AGGCAACTAC	540
775	GATTCCGTCT	CTTTCTATCA	GAATGCAGCC	ACTTTTGGAG	GTGCTATCCA	TTCTTCAGGT	600
776	CCCCTACAGA	TTGCAGTAAA	TCAGGCAGAG	ATAAGATTG	CACAAAATAC	TGCCAAGAA	660
777	GGTCTGAG	GGGCTTTGTA	CTCCGATGGT	GATATTGATA	TTGATCAGAA	TGCTTATGTT	720
778	CTATTTGAG	AAAATGAGGC	ATTGACTACT	TATATAGGTA	AGGGAGGGGC	TGTCTGTTGT	780
779	CTTCCCACTT	CAGGAAGTAG	TACTCCAGTT	CCTATTGTGA	CTTTCTCTGA	CAATAAACAG	840
780	TTAGTCTTTG	AAAGAAACCA	TTCCATAATG	GGTGGCGGAG	CCATTTATGC	TAGGAAACTT	900
781	AGCATCTCTT	CAGGAGGTCC	TACTCTATTT	ATCAATAATA	TATCATATGC	AAATTCGCAA	960
782	AATTTAGGTG	GAGCTATTGC	CATTGATACT	GGAGGGGAGA	TCAGTTTATC	AGCAGAGAAA	1020
783	GGAACAATTA	CATTCCAAGG	AAACCGGACG	AGCTTACCGT	TTTTGAATGG	CATCCATCTT	1080
784	TTACAAAATG	CTAAATTCCT	GAAATTACAG	GCGAGAAATG	GATGCTCTAT	AGAATTTTAT	1140
785	GATCCTATTA	CTTCTGAAGC	AGATGGGTCT	ACCCAATTGA	ATATCAACGG	AGATCCTAAA	1200
786	AATAAAGAGT	ACACAGGGAC	CATACTCTTT	TCTGGAGAAA	AGAGTCTAGC	AAACGATCCT	1260
787	AGGGATTTTA	AATCTACAAT	CCCTCAGAAC	GTCAACCTGT	CTGCAGGATA	CTTAGTTATT	1320
788	AAAGAGGGGG	CCGAAGTCAC	AGTTTCAAAA	TTCACGCAGT	CTCCAGGATC	GCATTTAGTT	1380
789	TTAGATTTAG	GAACCAAACT	GATAGCCTCT	AAGGAAGACA	TTGCCATCAC	AGGCCTCGCG	1440
790	ATAGATATAG	ATAGCTTAAG	CTCATCTCA	ACAGCAGCTG	TTATTAAAGC	AAACACCGCA	1500
791	AATAAACAGA	TATCCGTGAC	GGACTCTATA	GAACTTATCT	CGCCTACTGG	CAATGCCTAT	1560
792	GAAGATCTCA	GAATGAGAAA	TTACAGAGAC	TTCCCTCTGC	TCTCTTTAGA	GCCTGGAGCC	1620
793	GGGGGTAGTG	TGACTGTAAC	TGCTGGAGAT	TTCTTACCGG	TAAGTCCCCA	TTATGGTTTT	1680
794	CAAGGCAATT	GGAAATTAGC	TTGGACAGGA	ACTGGAAACA	AAGTTGAGAA	ATTCTTCTGG	1740
795	GATAAAATAA	ATTATAAGCC	TAGACCTGAA	AAAGAAGGAA	ATTTAGTTCC	TAATATCTTG	1800
796	TGGGGGAATG	CTGTAAATGT	CAGATCCTTA	ATGCAGGTTT	AAGAGACCCA	TGCATCGAGC	1860
797	TTACAGACAG	ATCGAGGGCT	GTGGATCGAT	GGAATTGGGA	ATTTCTTCCA	TGTATCTGCC	1920
798	TCCGAAGACA	ATATAAGGTA	CCGTCATAAC	AGCGGTGGAT	ATGTTCTATC	TGTAAATAAT	1980
799	GAGATCACAC	CTAAGCACTA	TACTTCGATG	GCATTTTCCC	AACTCTTTAG	TAGAGACAAG	2040
800	GACTATGCGG	TTTCCAACAA	CGAATACAGA	ATGTATTTAG	GATCGTATCT	CTATCAATAT	2100
801	ACAACCTCCC	TAGGGAATAT	TTTCCGTTAT	GCTTCGCGTA	ACCCTAATGT	AAACGTCGGG	2160
802	ATTCTCTCAA	GAAGGTTTCT	TCAAAATCCT	CTTATGATTT	TTCATTTTTT	GTGTGCTTAT	2220
803	GGTCATGCCA	CCAATGATAT	GAAAACAGAC	TACGCAAATT	TCCCTATGGT	GAAAAACAGC	2280
804	TGGAGAAACA	ATTGTTGGGC	TATAGAGTGC	GGAGGGAGCA	TGCCTCTATT	GGTATTTGAG	2340
805	AACGGAAGAC	TTTTCCAAGG	TGCCATCCCA	TTTATGAAAC	TACAATTAGT	TTATGCTTAT	2400
806	CAGGGAGATT	TCAAAGAGAC	GACTGCAGAT	GGCCGTAGAT	TTAGTAATGG	GAGTTAACA	2460
807	TCGATTTCTG	TACCTCTAGG	CATACGCTTT	GAGAAGCTGG	CACTTTCTCA	GGATGTACTC	2520
808	TATGACTTTA	GTTTCTCCTA	TATTCTGAT	ATTTTCCGTA	AGGATCCCTC	ATGTGAAGCT	2580
809	GCTCTGGTGA	TTAGCGGAGA	CTCCTGGCTT	GTTCCGGCAG	CACACGTATC	AAGACATGCT	2640
810	TTTGTAGGGA	GTGGAACGGG	TCGGTATCAC	TTTAACGACT	ATACTGAGCT	CTTATGTCTG	2700
811	GGAAGTATAG	AATGCCGCC	CCATGCTAGG	AATTATAATA	TAACTGTGG	AAGCAAATTT	2760
812	CGTTTTTAGA	AGGTTTCCAT	TGCCCTGTGTG	GTTCCGGATC	TTAACTATAA	ATCCTGGACT	2820

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```
813 ATGGATCATA GGCATTGGGT TTCTCGAACT TGTGTGGAGA ATAACGACAT TTTATATGCA 2880
814 TAACGGAATA CTCGTATCAC CTCAGCCCCT AGAGACATTC TTTAGGGGTT CTTTATTGT 2940
815 CTAAACTTCG TATTTTATCG AGAATCCTTT ACGTTCTTGG TTTGCTTGTC TCCGAGGAGT 3000
E--> 816 TCTCTAACGA ATCATAGGGA TTCCAGGGTT CTGTTCTTG AGTCCTTTGG A → 3051
```

## VERIFICATION SUMMARY

DATE: 05/01/2001

PATENT APPLICATION: US/09/446,677A

TIME: 18:04:16

Input Set : A:\Birkell.txt

Output Set: N:\CRF3\05012001\I446677A.raw

L:31 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:32 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:38 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]  
L:816 M:204 E: No. of Bases differ, LENGTH:Input:3052 Counted:3051 SEQ:5  
L:2475 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]